BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Construction of Culverts, Providing Covering Slab to Existing Drains and Kerb Stone at Navodya School Road in ward No. 11 (Kuvempungara), Vidyaranyapura sub Division.

			Estimate Cost Rs.						2000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2015-16**	Cum							
	Desilting of Drains		2	170.00	0.45	0.45	68.85		
	For Culverts		6	6.00	2.00	1.20	86.40		
							155.25	83.16	**12911.00**
	Basic Rate	77.00							
	Area Weightage @8%	6.16							
	Total	**83.16**							
2	Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2015-16**	Sqm							
			2	90.00		1.35	243.00		
							243.00	63.72	**15484.00**
	Basic Rate	59.00							
	Area Weightage @8%	4.72							
	Total	**63.72**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 25 / Item No. 5.33 / PWD SR 2015-16**	Sqm							
			Qty Vide Item No. 2				243.00		
							243.00	78.84	**19158.00**
	Basic Rate	73.00							
	Area Weightage @8%	5.84							
	Total	**78.84**							
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2015-16**	Cum							
	Culvert		6	6.00	2.00	0.15	10.80		
							10.80	5070.60	**54762.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.9 / PWD SR 2015-16**	Cum							
	For Culverts		2x6	6.00	0.60	0.90	38.88		
							38.88	4905.36	**190720.00**
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	**4905.36**							
6	KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. **Page No. 109 / Item No. 15.4 / PWD SR 2015-16**	Sqm							
	Coping		2x6	6.00		0.90	64.80		
							64.80	97.20	**6299.00**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
7	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD SR 2015-16**	Cum							
	Coping		6	6.00	1.80	0.10	6.48		
	Ramp		6x2	6.00	1.00	0.15	10.80		
	For Raising of Exisiting Drain Flagging Course		2x2	170.00	0.20	0.10	13.60		
							30.88	5490.72	**169553.00**
	Basic Rate	5084.00							
	Area Weightage @ 8%	406.72							
	Total	**5490.72**							
8	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25 / Item No. 5.27 / PWD SR 2015-16**	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Raising of Existing Drain		2x2	170.00		0.60	408.00		
							408.00	1018.44	**415524.00**
	Basic Rate	943.00							
	Area Weightage @8%	75.44							
	Total	**1018.44**							
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31 / PWD SR 2015-16**	Sqm							
	for cd deck slab		6	6.00	0.60		21.60		
	Covering sides		2x6	6.00		0.23	16.56		
			2x6	1.80		0.23	4.97		
							43.13	306.72	**13228.00**
	Basic Rate	284.00							
	Area Weightage @8%	22.72							
	Total	**306.72**							
10	Providing and laying cement concrete using 20mm and down size granite jelly of **ready mixed concrete (RMC)for R.C.C works** laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2015-16**	Cum							
	Culvert Deck Slab		6	6.00	1.80	0.23	14.90		
							14.90	6332.04	**94373.00**
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	**6332.04**							
11	KSRB 4.9.2: Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16**	Tonne							
	for Culvert		0.100	14.90			1.49		
							1.49	69805.80	**104039.00**
	Basic Rate	64635.00							
	Area Weightage @ 8%	5170.80							
	Total	**69805.80**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Providing and laying precast drain cover slab of 100 mm thickness in CM 1.3 including cost of all materials, labours, curing, transportation, loading and unloading etc complete as per the direction of engineer in charge of work (RA as per BBMP)	Sqm							
	For kerb stones		2	170.00	0.90		306.00		
							306.00	2003.40	**613040.00**
	Basic Rate	1855.00							
	Area Weightage @ 8%	148.40							
	Total	**2003.40**							
13	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. **Page No. 25 / Item No. 5.30 / PWD SR 2015-16**	Nos							
			2	170.00			756		
				0.45					
							756	320.76	**242352.00**
	Basic Rate	297.00							
	Area Weightage @ 8%	23.76							
	Total	**320.76**							
14	KSRB 15.19.1 : Providing and applying ready mix **priming coat over concrete** / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughtly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 121 / Item No. 15.80 / PWD SR 2015-16**	Sqm							
	For kerb stones		2	170.00		0.40	136.00		
							136.00	27.00	**3672.00**
	Basic Rate	25.00							
	Area Weightage @ 8%	2.00							
	Total	**27.00**							
15	KSRB 15.20.1 : Providing and applying floor **painting with ready mix two coats** (Excluding priming coat) on new s concrete / masonry / asbestos cement sheet / / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 121 / Item No. 15.83 / PWD SR 2015-16**	Sqm							
			Qty Vide Item No. 11				136.00		
							136.00	51.84	**7050.00**
	Basic Rate	48.00							
	Area Weightage @ 8%	3.84							
	Total	**51.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
16	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km** (PWD SR Rates P No 139)	Cum							
			Qty. Vide Item No. 1				**155.25**	106.34	**16509.00**
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46	30.46							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
		98.46							
	Area Weightage @ 8%	7.88							
	Total	**106.34**							
17	Sub Total								**1978674.00**
18	Third Party Inspection Charges @ 1%								**19787.00**
19	Miscellaneous and unforeseen charges	L/S							**1539.00**
								Total	**2000000.00**

(Rupees Twenty Lakhs Only)

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

H.V.Y 26/12

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For 20.00 lakh Rs.
Head of A/C P-3075
CER NO : 92C Dt: 21.12.15

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 2000000=00
Head of A/c P-3975/15-16
Div. Ref. No. 269/15-16 Date 26/12/15

26/12 H.V.Y EE(BTP)

26/12